Study Programme

Academic year 2024-2025

GHENT UNIVERSITY

Faculty of Engineering and Architecture

Bachelor of Science in Engineering Technology -- Electronics and ICT Engineering Technology

Language of instruction: Dutch

Programme version 5

1 General Courses — 60 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E701033	Mathematics I	6		1	A:1	180
		Tanja Van Hecke -- Department of Information Technology					
2	E701023	General Chemistry	6		1	A:1	180
		Maarten Sabbe -- Department of Materials, Textiles and Chemical Engineering					
3	E701024	Electricity	6		1	A:1	180
		Luc Dupré -- Department of Electromechanical, Systems and Metal Engineering					
4	E701051	Design Tools	4		1	A:1	120
		Kathleen Gekiere -- Department of Structural Engineering and Building Materials					
5	E701029	Materials	3		1	A:1	90
		Geert De Clercq -- Department of Materials, Textiles and Chemical Engineering					
6	E701030	Mechanics	6		1	A:J	180
		Tom Claessens -- Department of Materials, Textiles and Chemical Engineering					
7	E701052	Engineering Project	5		1	A:J	150
		Kathleen Gekiere -- Department of Structural Engineering and Building Materials					
8	E701034	Mathematics II	6		1	A:2	180
		Tanja Van Hecke -- Department of Information Technology					
9	E701056	Physics	6		1	A:2	180
		Sven Van Loo -- Department of Applied Physics					
10	E701053	Computer Science	6		1	A:2	180
		Helga Naessens -- Department of Information Technology					
11	E701054	Sustainable Energy Technologies	3		1	A:2	90
		Johan Lauwaert -- Department of Electronics and Information Systems					
12	E701055	Electronics	3		1	A:2	90
		Jo Verhaevert -- Department of Information Technology					

2 General Courses — 15 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702010	Signals and Systems	6		2	A:1	180
		Jan Beyens -- Department of Information Technology					
2	E702090	Statistics and Mathematical Data-analysis	6		2	A:2	180
		Tanja Van Hecke -- Department of Information Technology					
3	E702702	Business Administration	3		3	A:2	90
		Birger Raa -- Department of Industrial Systems Engineering and Product Design					

3 Courses Related to the Main Subject — 102 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E702070	Physics of Waves and Particles	3		2	A:1	90
		Sven Van Loo -- Department of Applied Physics					
2	E702040	Electronics II	6		2	A:1	180
		Stefaan Lambrecht -- Department of Information Technology					

Nr	Course		CRDT	MT1	Session	Study
3	E702050	Object Oriented Programming Helga Naessens -- Department of Information Technology	6	2	A:1	180
4	E741058	Programming in C Wim Van Den Breen -- Department of Information Technology	3	2	A:1	90
5	E765026	Database Management Guy De Tré -- Department of Telecommunications and Information Processing	3	2	A:1	90
6	E765100	Applied Artificial Intelligence Sofie Van Hoecke -- Department of Electronics and Information Systems	3	2	A:1	90
7	E731018	Embedded Systems: Microcontrollers Patrick Van Torre -- Department of Information Technology	6	2	A:2	180
8	E702060	Signals and Systems II Jan Beyens -- Department of Information Technology	3	2	A:2	90
9	E731036	Digital Electronics Jan Aelterman -- Department of Telecommunications and Information Processing	6	2	A:2	180
10	E731038	Analogue Electronics I Patrick Van Torre -- Department of Information Technology	6	2	A:2	180
11	E731021	Multidisciplinary Engineering Project Guy Torfs -- Department of Information Technology	3	2	A:2	90
12	E702100	Computer Hardware Wim Van Den Breen -- Department of Information Technology	6	3	A:1	180
13	E731034	Numerical Analysis Tanja Van Hecke -- Department of Information Technology	3	3	A:1	90
14	E731037	Embedded Systems: Hardware Synthesis Bart Goossens -- Department of Telecommunications and Information Processing	6	3	A:1	180
15	E731039	Analogue Electronics II Patrick Van Torre -- Department of Information Technology	6	3	A:1	180
16	E761050	Computer Networks Wouter Tavernier -- Department of Information Technology	6	3	A:1	180
17	E731028	Data Communication Jo Verhaevert -- Department of Information Technology	3	3	A:2	90
18	E741023	Control Theory Jan Beyens -- Department of Information Technology	6	3	A:2	180
19	E731025	Digital Signal Processing Paul Devos -- Department of Information Technology	6	3	A:2	180
20	E761060	Operating Systems Wim Van Den Breen -- Department of Information Technology	3	3	B:2	90
21	E731040	Bachelor's Dissertation Stefaan Lambrecht -- Department of Information Technology	9	3	A:J	240

4 Elective Courses   3 credits

Subscribe to 3 credit units from the following list.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	A003001	Academic English [en] Geert Jacobs -- Department of Linguistics	3	UKV	3	B:1, A:2	90
2	E076450	Basic Entrepreneurship Yannick Dillen -- Department of Marketing, Innovation and Organisation	3	UKV	3	A:1	90
3	A003107	Advanced Academic English [en] Geert Jacobs -- Department of Linguistics	3	UKV	3	A:1, B:2	90
4	E075310	Ethics, Engineering and Society Seppe Segers -- Department of Philosophy and Moral Sciences	3		3	A:2	90

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the cours name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Kroatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2.
When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.
When a semester is shown in brackets, the course in not offered this year in the specific offering.
The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028